

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Philippe CLEMENT et al.

Group Art Unit:

Serial No.: New Application

Filed: July 31, 2001

Examiner:

For: ELECTRICAL APPARATUS COMPRISING A MONITORING DEVICE, SUPPORT
AND MONITORING DEVICE FOR SUCH AN APPARATUS, AND ELECTRICAL
INSTALLATION INCORPORATING THEM

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-identified application,
please enter the following changes:

IN THE CLAIMS:

Cancel claim 53 without prejudice or disclaimer.

Amend claims 32, 39, 52, and 54-56 as follows:

32. (Amended) An electrical switchgear support in the form of a rail comprising electromagnetic emitting means designed to emit an electromagnetic radiation to at least one electrical apparatus according to claim 1 comprising electromagnetic receiving means.

39. (Amended) An electrical switchgear monitoring device comprising electromagnetic emitting means designed to emit an electromagnetic radiation to at least one electrical apparatus according to claim 1 comprising electromagnetic receiving means.

52. (Amended) The device according to claim 39, comprising at least one support in the form of a coil.

54. (Amended) An electrical installation comprising electrical apparatuses connected to an electrical power system and comprising at least one electrical apparatus according to claim 1 comprising electromagnetic receiving means.

55. (Amended) An electrical installation comprising electrical apparatuses connected to an electrical power system and comprising

at least one support comprising electromagnetic receiving means to support at least one electrical apparatus according to claim 32.

56. (Amended) An electrical installation comprising electrical apparatuses connected to an electrical power system and comprising at least one monitoring device according to claim 39 to monitor at least one electrical apparatus comprising electromagnetic receiving means.

REMARKS

This Preliminary Amendment is submitted to eliminate multiply dependent claims from the above-identified application.

Claims 1-52 and 54-56 are pending herein. Claim 53 has been canceled.

Prompt and favorable examination of this application on the merits is respectfully solicited.

Respectfully submitted,

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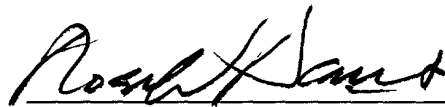
July 31, 2001

Date

RWP/ch

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28. The electrical apparatus according to claim 13, wherein the encoding circuit comprises anticollision processing means to manage emission and/or receipt of communication frames.
- 5 29. The electrical apparatus according to claim 13, wherein the encoding circuit comprises means for transmitting a preset number of identical communication frames.
30. The electrical apparatus according to claim 13, wherein the monitoring device comprises initialization means connected to the input circuit and to the encoding circuit.
- 10 31. The electrical apparatus according to claim 1, wherein the apparatus is arranged in a modular electrical switchgear case.
- (amended)
- 15 32. An electrical switchgear support in the form of a rail comprising electromagnetic emitting means designed to emit an electromagnetic radiation to at least one electrical apparatus according to [any one of the] claims 1 [to 3] comprising electromagnetic receiving means.
33. The support according to claim 32, wherein the electromagnetic emitting means
- 20 comprise at least one induction loop arranged on a front face of said support.

34. The support according to claim 32, wherein the electromagnetic emitting means comprise at least one induction coil with several turns arranged on a front face of the support.
- 5 35. The support according to claim 32, comprising a body made of magnetic material to concentrate magnetic field lines.
36. The support according to claim 32, wherein the rail is a symmetrical rail having a hollow part on the front face comprising at least one electromagnetic induction coil.
- 10 37. The support according to claim 36, wherein the electromagnetic induction coil has a central part without magnetic material.
38. The support according to claim 36, wherein the electromagnetic induction coil has a
- 15 central part with a core made of magnetic material.
- (Amended)*
39. ^λAn electrical switchgear monitoring device comprising electromagnetic emitting means designed to emit an electromagnetic radiation to at least one electrical apparatus according to [one of the] ~~claims~~ 1 (to 31) comprising electromagnetic receiving means.
- 20 40. The device according to claim 39, comprising means for generating a high frequency signal connected to the electromagnetic emitting means.

CANCEL

53. The device according to claim 39, comprising at least one apparatus according to any one of the claims 1 to 31 comprising electromagnetic receiving means.

(Amended)

54. ⁿ An electrical installation comprising electrical apparatuses connected to an electrical power system and comprising at least one electrical apparatus according to [any one of the] claims 1 [to 31] comprising electromagnetic receiving means.

(Amended)

55. ⁿ An electrical installation comprising electrical apparatuses connected to an electrical power system and comprising at least one support comprising electromagnetic receiving means to support at least one electrical apparatus according to [any one of the] claims 32 [to 38].

(Amended)

56. ⁿ An electrical installation comprising electrical apparatuses connected to an electrical power system and comprising at least one monitoring device according to [any one of the] claims 39 [to 53] to monitor at least one electrical apparatus comprising electromagnetic receiving means.